

WHAT IS CLAIMED IS:

1. A fluid level detecting device for detecting a fluid level by measuring an electrical resistance comprising:

a float that is floated on fluid;

a float arm for supporting the float;

a resin float arm holder for holding the float arm;

a main body for holding the float arm holder in a manner that the float arm holder is rotatable;

an electrical resistance element that is fixed to the main body and connected to an external circuit;

a sliding contact that is fixed to the float arm holder and electrically connected to an external circuit; and

an electrical connector member for electrically connecting the float arm with the sliding contact, wherein

the float moves up and down according to variations in the fluid level,

the float arm rotates according to the up and down movement of the float,

the float arm holder rotates with the float arm,

the electrical resistance element has an end through which electrically connected to the external circuit, and

the sliding contact maintains contact with the electrical resistance element for measurement of the electrical resistance that develops between the sliding contact and the electrical resistance element and varies as the sliding contact slides on the electrical resistance element according to the rotation of the float arm.

2. The fluid level detecting device according to claim 1, wherein the arm holder is made of conductive resin to function as the electrical connector member.

3. The fluid level detecting device according to claim 1, wherein the sliding contact has an extended portion that is electrically connected with the float arm to function as the electrical connector member.

4. The fluid level detecting device according to claim 1, wherein the electrical resistance element is formed in a shape of an arc on a track of the sliding contact.

5. The fluid level detecting device according to claim 1, wherein the electrical resistance is measured between the sliding contact and the end of the electrical resistance element.